

	€ EROS P.						For		Equipment	Order	Due	Received Quantity	Accounting Job No			Date	Price/Unit		Past Due
PO No	Supplier	Line Item No	NO		Purchased Item	Description Delrin Round	-	Project	iD	Qty 3	Date 6/15/2018			S081851	Stock	6/18/2018	\$ 68.00 / 11		
PO0411154	MCM001- VU	1		Net 30	/	R3.500""	_			-	6		6	S081852	Stock	6/18/2018	\$ 9.16/ft		
			2		MT-BRASS-C360- R0.500	Brass C360 Round Bar 0.500""			Tota	al:	9		9			<u> </u>			
			<u></u>						,,,,,							Plex 6/1	8/2018 11:17 4	AM dart.To	ollis Andı



200 Aurora Industrial Pkwy Aurora OH 44202-8087 330-995-5500 cle.sales@mcmaster.com

Dart Aerospace Ltd 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada Packing List

Purchase Order PO040154

Order Placed By Chantal Lavoie Page 1 of 1 06/11/2018

McMaster-Carr Number 4799296-01

Lin	ie	Product	4700250-01	Ordered	Shipped
1	8572K35	White Delrin Acetal Resin Rod, 3-1/2" Diameter, 3		3 Feet	3
2	2572T38	Ultra-Machinable 360 Brass Rod with Certification	, 1/2" Diameter, 6 Feet Long AT	1 Each	

Expected to ship	Expe	cted	to	s	hip
------------------	------	------	----	---	-----

3 2572T77 Ultra-Machinable 360 Brass Rod with Certification, 2-1/2" Diameter, 6 Feet Long 1

1 1 Jul 2-9 Each



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO040154

Tel (613) 632-5200

Supplier: MCM001-VU

Ship To:

McMaster-Carr Supply Co,

P.O. Box 7690

Chicago, IL 60680-7690 USA

Phone: 330 995 5500 Fax: 330 995 9600

1270 Aberdeen Street

Phone: 613-632-5200

Hawkesbury

K6A 1K7 Canada

ON

Purchase Order Revision:

PO No:

PO Date:

Due Date:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Via:

Ground

PO040154

6/11/18

7/11/18

Pymt Terms:

2% 10 Net 30

Freight Terms: **Special Comments:**

Line Item	Job	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended
1	Andrew Adams on the state of th	MDELRINR3.500W	8572K35	Delrin Round Bar, White R3.500"	Firmed	6/15/18	3 ft	3.f.f.	3 ft	\$68.00/ft	
2	TO THE METERS OF THE PARTY OF T	MT-BRASS-C360- R0.500	2572T38 6 FT	Brass C360 Round Bar 0.500"	Firmed	6/15/18	6 ft	6.6° ft	6 ft	\$9.158333/ft AC 19/0	\$54.95
3	1	MT-BRASS-C360- R2.500	2572T77 6FT	Brass C360 Round Bar 2.500"	Firmed	7/22/18	6 ft	O ft	6 ft	\$117.94166/ft	\$707.65
4	The second of th	91030A445	1/pk	Flange Nut receive ea	Firmed	6/15/18	10 Ea	0 Ea	10 Ea	\$3.51/Ea	\$35.10
5	The second secon	92620A563	100/pk	Screw receive ea	Firmed	6/15/18	100 Ea	0 Ea	100 Ea	\$0.1269/Ea	\$12.69
6	the state of the s	98381A508	50/pk	Dowel Pin 3/16" X 3/4" (Mcmaster)	Firmed	6/15/18	50 Ea	0 Ea	50 Ea	\$0.156/Ea	\$7.80
7		RBE350A91-2381- 01-13	5051K271 10 ft	Felt Pad w/ Adhesive Back	Firmed	6/15/18	10 ft	O ft	10 ft	\$7.75/ft	\$77.50
8		RBE350A91-2381- 01-21	1764A31	Folding Pull Handles	Firmed	6/15/18	8 Ea	0 Ea	8 Ea	\$7.20/Ea	\$57.60

				it	ems						
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date		Received Quantity		Unit Price (USD)	Extende
10		MBRONZR2.250	8932K54 .54" per lenght	Bronze Round Bar 2.250" : MATERIAL: OIL IMPREGNATED SINTERED BRONZE ROUND BAR AS PER SAE 841 TYPE 1, CLASS A OR AMS 4805 OR ASTM B438 GRADE 1, TYPE 2 OR MIL-B-5687D TYPE 1, GRADE 1 receive ft	Firmed	6/15/18	2.16 ft	O ft	2 ft	\$195.29629/ft	

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/18/18 10:40 AM dart.lavoie.chantal



MUELLER BRASS CO.

LOCATIONS:

2199 LAPEER AVENUE PORT HURON, MICHIGAN 48060 Control No: 1048924

302 ASHFIELD STREET BELDING, MICHIGAN 48809

CERTIFIED TEST REPORT

Sold: 00061711

To: COPPER & BRASS SALES

ATTN ACCOUNTS PAYABLE

P O BOX #5116

SOUTHFIELD, MI 48086-5116

Ship: 00059225

To: COPPER & BRASS SALES-

8001 THYSSENKRUPP PARKWAY

NORTHWOOD, OH 43619

Cust PO: 5400402994

Cust Part: CURD00895

Type/Size: ROD RND 0.5000

Cust Spec: ASTM B16/16M-10

MBCo SO: 486911

Ln 130

Cert LvI: 2

Part Nbr: 3600047 FC

Qty Shpd: 10,693

UM: Lbs

BOL: 50702754 Shpd: 06/03/18

		I	viecna	anical Properties		
Lot Number:	1703852	Temp	r: H0	20 1/2 H	CDA	Alloy: C36000
ield Strength	()	Tensile Strength ()	Elongation % in 2	Inches	Hardness

			Chemical	Analysis	(%)		
	Cu	Pb	Го	7			
ASTM B16/16M-10	60.0-63.0		Fe 0.35 Max	Zn			
		2.5-3.0	0.35 Max	REM			
Lot Number: 1703852	61.3	2.6	0.17	REM.			

TOTAL OTHER ELEMENT MAX: .50

We hereby certify to the chemical and mechanical properties reported herewith and to the fact that they were determined in conformance with the specification noted above or any exceptions to this specification we have granted. We also hereby certify that the material furnished on this order is free from mercury contamination and that no mercury bearing equipment was used in the manufacture of these items.

Melted and Manufactured in USA

Conflict Minerals Compliant

Produced in Compliance with: EN10204 3.1 EU Directives: 2011/65/EU (RoHS 2 Compliant) 2000/53/EC By: " /.....

James Tremp

Metallurgist

06/03/18

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: _ DATE: _	MDELRINR3 500W	PO / BATCH NO.:	PO040154/508/85
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:		THICKNESS ORDERED: THICKNESS RECEIVED. SHEET SIZE ORDERED: SHEET SIZE RECEIVED:	3.5"

DESCRIPTION	O Sections	CR eck	COMMENTS
220011111011		N)	COMMENTS
SURFACE DAMAGE	Y	W	
CORRECT FINISH	Y	И	
CORROSION	Υ	(N)	
CORRECT GRAIN DIRECTION	8	N	
CORRECT MATERIAL PER M-DRAWING	0	Ν	
CORRECT THICKNESS	D	Ν	
PHOTO REQUIRED	Υ	613	
CORRECT REF # TO LINK CERT	8	N	10040134
CORRECT MATERIAL IDENTFICATION	(3)	Ν	
CORRECT M# ON THE MATERIAL	(Y)	Ν	
DOES THIS MATERIAL REQUIRE	0	0.0	
ENGINEERING SIGN OFF	Υ	N	
DOES THIS REQUIRE AN		0	
EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF				SS CHECK.						
RECORD RESULTS BELOW										
	HRC	HRB	DUR A	DUR D	WEBSTER					
TYPE OF MATERIAL										
SIZE OF TEST SAMPLE										
HARDNESS / DUROMETER READING										

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: 4 9	SIGNED OFF BY:
DATE: 18/04/18	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL

PART NUMBER:

M-DELRIN-R D. DDD X X COLOR ODE CODE

WHERE D.DDD = DIAMETER IN INCHES $B_{X} = COLOR CODE$, "W" = WHITE, OMITTED = BLACK

EG. 1" BLACK ROUND BAR = M-DELRIN-R1.000 2" WHITE ROUND BAR = M-DELRIN-R2.000W

SHEET 1 OF 1 REV. B 17.10.19 01.11.12 DATE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, GANADA
DRAWING NO.
F
M-DELRIN-R
SHEE COPYRIGHT & 2001 BY DART AEROSPACE LTD
THE DIRECTOR THE COMMAND AND RESPONSE OF THE COMPAND AND THE COPYRIGHT AND RESPONSE OF THE COPYRIGHT AND THE COPYRIGH SAD Sa SAD DART AEROSPAC
SAD HAWKESBURY, ONTARO, G
RF DRAWING NO.
RA M-DELRIN-R
HS TITLE
CP 47 DELRIN ROUND BAR B MATERIAL COLUR "WHITE" ADD REASON CIR. 10. ADD "ACETRON OF ACETAL" AS OPTION (REV. A1). APPROVED HS DE APPR. CP 1 NEW ISSUE MFG. APPR. A NEV REV. DESIGN DRAWN CHECKED APPROVED

2010 MAR 27 00 EN 18-657

Che Co Company

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT- DATE: 18/0	BRA	155-1	C360-	-Ro.	500	PO / BATCH	NO.: <u>PooU</u>	0154/508185
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:				_	THIC	CKNESS ORDE CKNESS RECEI ET SIZE ORDE ET SIZE RECEI	VED: 0.5"	
DESCRIPTION	(Cł	CR neck (N)				COMMEN	гѕ	
SURFACE DAMAGE CORRECT FINISH	Y	N						
CORROSION	X	W						
CORRECT GRAIN DIRECTION	(Y)	N						
CORRECT MATERIAL PER M-DRAWING	Y	N			1			
CORRECT THICKNESS	8	N						
PHOTO REQUIRED	Υ	N		101				
CORRECT REF # TO LINK CERT	(Y)	N	10040	134				
CORRECT MATERIAL IDENTFICATION	8	N						
CORRECT M# ON THE MATERIAL	(A)	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)						
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(3)			370000		30.	
CUT SAMPLE PIECE							SS CHECK.	
					S BELO			
TYPE OF MATERIAL			HRC	-	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL				+		-		
SIZE OF TEST SAMPLE HARDNESS / DUROMETER READII	C			+-				
HARDNESS / DUKUWETER READII				- 41 -		<u> </u>	800 800	_
	<u>te</u>	sters	iocated i	n tne C	Quality Offi	<u>ce</u>		
					•			
QC 18 INSPECTION						ENGINEER	RING SIGNOR	F (if required)
INSPECTED BY: AT	8				SIG	NED OFF BY:		
INSPECTED BY: AT BOTTOM DATE: (8/06/18)	39		_		-	DATE:		
Attach this inspection sheet with the	corre	spon	ding mate	rial ce	rt and rem	it to be scanned :	and received in	

ТЕВЕНИЕ (М. 11/11/2017) XV 1 000 FEACTIONS 1/8 X 1/11/2017 X 1/2 BY APPROVED BRASS C360 ROUND BAR MT-BRASS-C360-R 17.11.22 ECN# TOLERANCES PER MANUFACTURER SPECIFICATIONS DESCRIPTION WHERE D.DDD IS DIAMETER IN INCHES SPECIFICATION CONTROL DRAWING MT-BRASS-C360-R-[D.DDD] MT-BRASS-C360-R-0.250 REV. C360 BRASS ASTM B16 PURCHASE MATERIAL: SPECIFICATION: PART NUMBER: EXAMPLE:

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